

CHAPTER 2

RIGGING FARE IN 3/4-TON TRAILER

2-1. Description of Load

The FARE is stowed as an accompanying load in the M101, 3/4-ton trailer. The FARE weighs 860 pounds. An additional 640 pounds may be stowed in the trailer. Except for the changes outlined in this chapter, the trailer is rigged as shown in chapter 2 of FM 10-513/TO 13C7-3-51.

Note: *The minimum and maximum accompanying load restrictions in chapter 2 of FM 10-513/TO 13C7-3-51 apply to this load.*

2-2. Stowing FARE (Low-Velocity and LAPE)

a. *Preparing pump/engine assembly.* Prepare the pump/engine assembly as shown in figure 2-1.

b. *Stowing Components.* Stow the FARE in the trailer as shown in figures 2-2 through 2-10.

2-3. Positioning Extraction Parachutes (Low-Velocity)

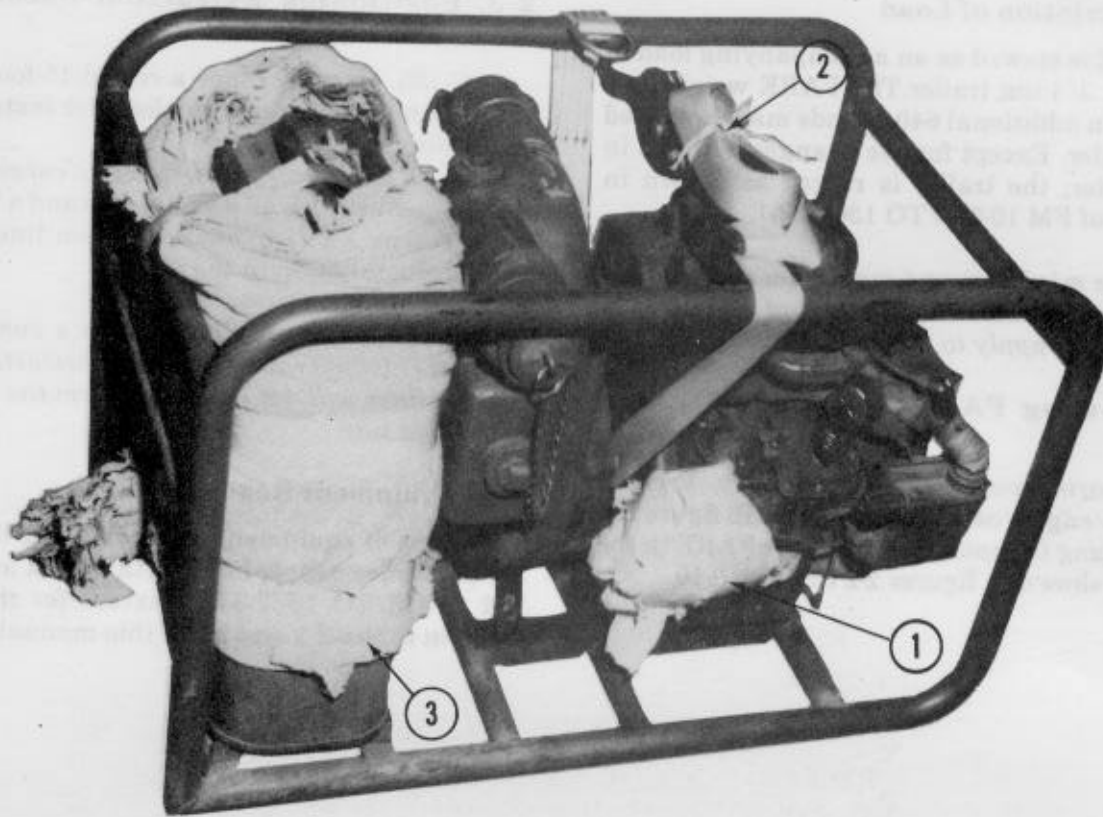
a. *C-130 Aircraft.* Place a reefed 15-foot cargo extraction parachute on the load for installation in the aircraft.

b. *C-141B Aircraft.* Place a 15-foot cargo extraction parachute with an adapter web and a 160-foot (1-loop) type XXVI nylon extraction line on the load for installation in the aircraft.

Note: *The extraction line will be a continuous 160-foot (1-loop) type XXVI nylon extraction line. Shorter lines will not be used to form the 160-foot extraction line.*

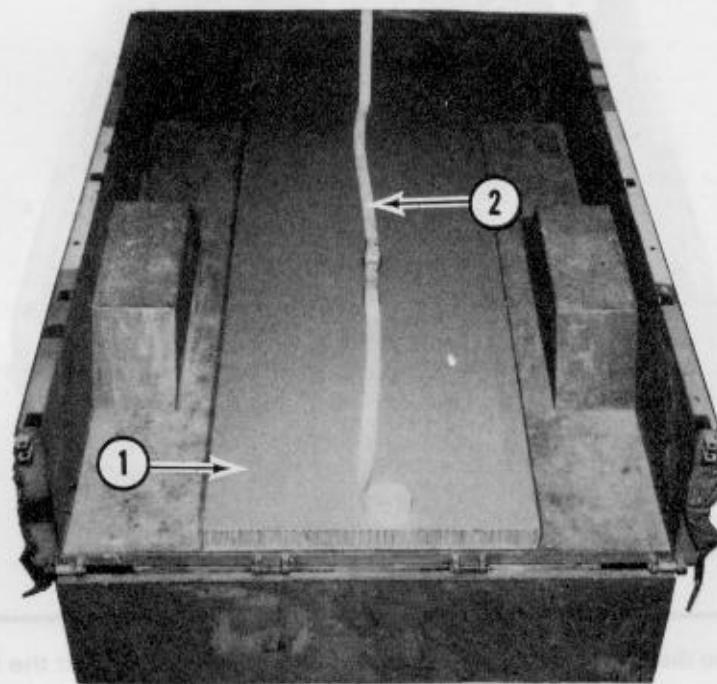
2-4. Equipment Required

The items of equipment required to rig this load are the same as those listed in tables 2-1 and 2-2 of FM 10-513/TO 13C7-3-351, except for the items listed in tables 2-1 and 2-2 of this manual.



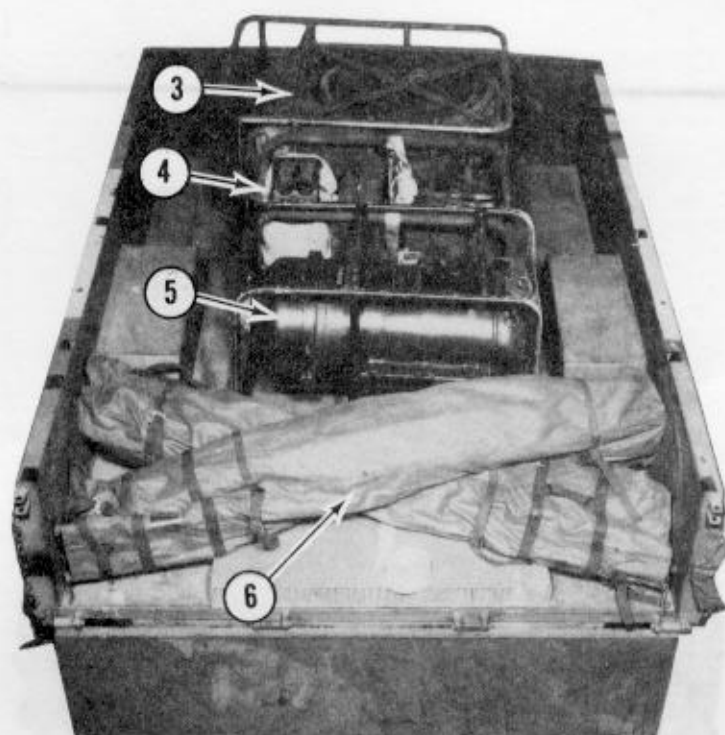
- ① Remove the fuel filter and drain out the gasoline. Replace the filter, wrap with cellulose wadding, and tape the wadding in place.
- ② Pass a 15-foot tiedown strap between the pump and engine. Fasten the tiedown strap ends together with a D-ring and load binder on top of the assembly frame.
- ③ Wrap the 5-gallon fuel can with cellulose wadding and tape the wadding in place. Set the can inside the frame and secure it with the retainer strap or tie with type III nylon cord.

Figure 2-1. Pump/engine assembly prepared.



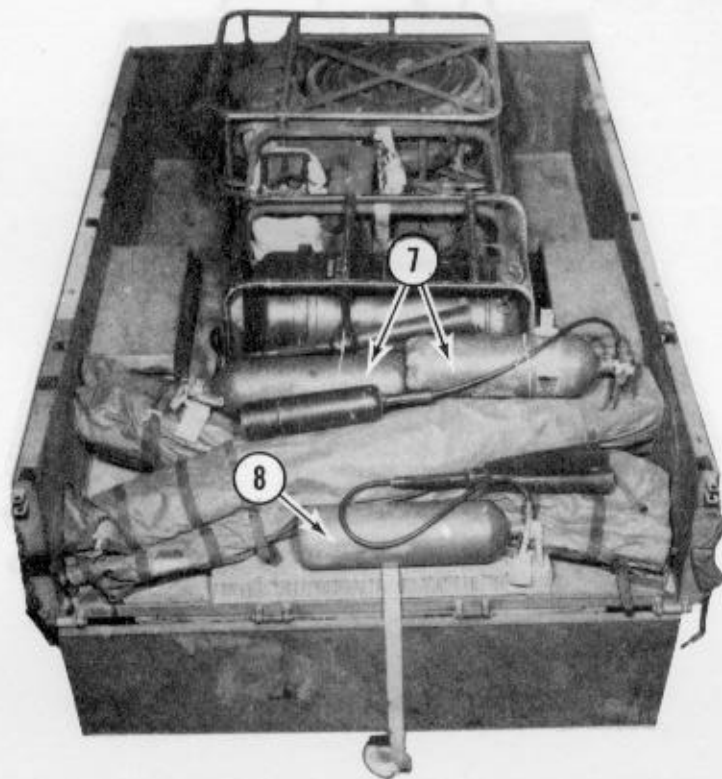
- ① Place a 36- by 96-inch piece of honeycomb in the center of the trailer bed.
- ② Form a 30-foot tiedown strap according to FM 10-500/TO 13C7-1-5. Pass the strap over the front wall of the trailer and down the center of the honeycomb. Leave enough strap overhanging the front of the trailer to reach the rear of the trailer.

Figure 2-2. FARE stowed (steps 1 and 2).



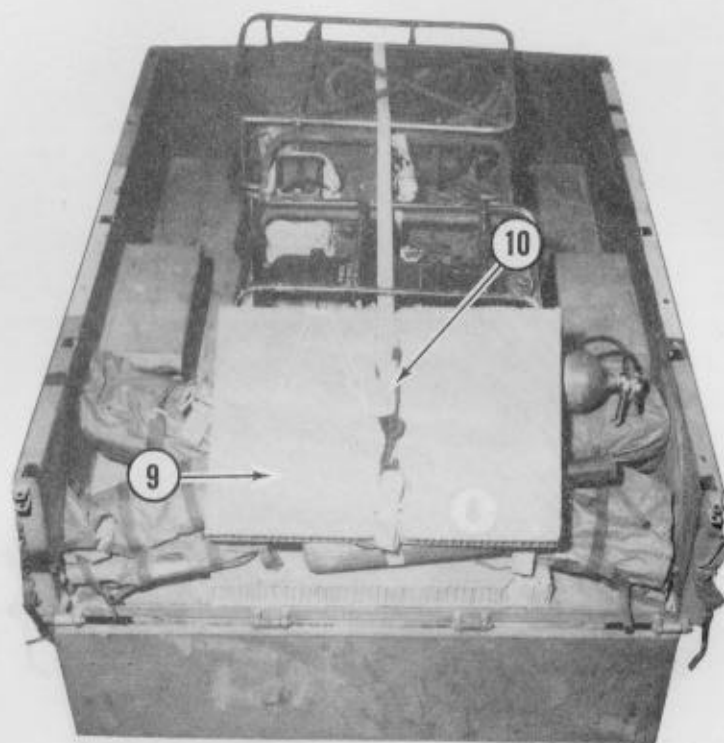
- ③ Place the two discharge hose racks one on top of the other against the front wall.
- ④ Place the pump/engine assembly next to the discharge hose racks.
- ⑤ Place the filter/separator next to the pump/engine assembly.
- ⑥ Place the two suction hose bags with grounding rods one across the other next to the filter/separator.

Figure 2-3. FARE stowed (steps 3 through 6).



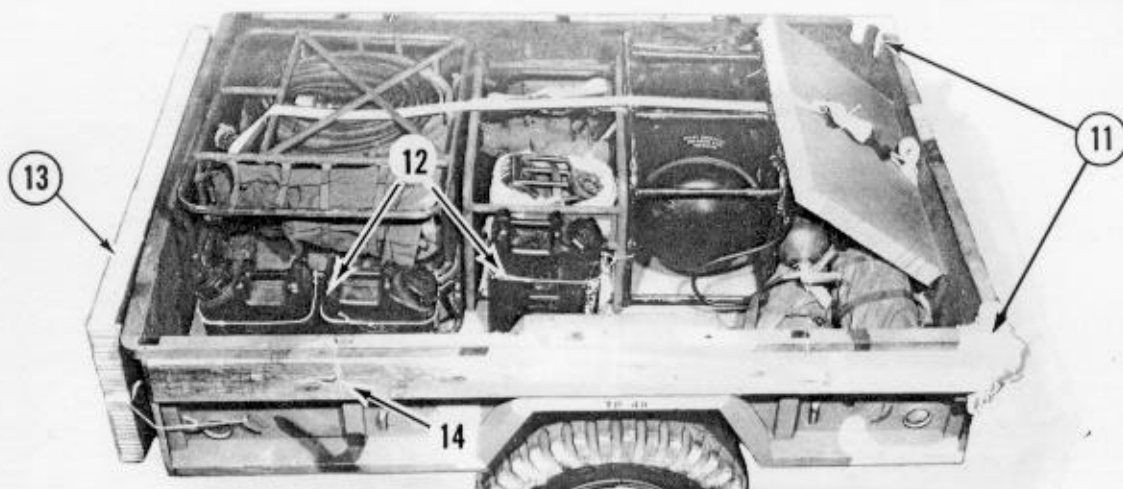
- ⑦ Place two fire extinguishers on top of the suction hose bags. Tie the fire extinguishers to the filter/separator with type III nylon cord.
- ⑧ Place the third fire extinguisher behind the suction hose bags.

Figure 2-4. FARE stowed (steps 7 and 8).



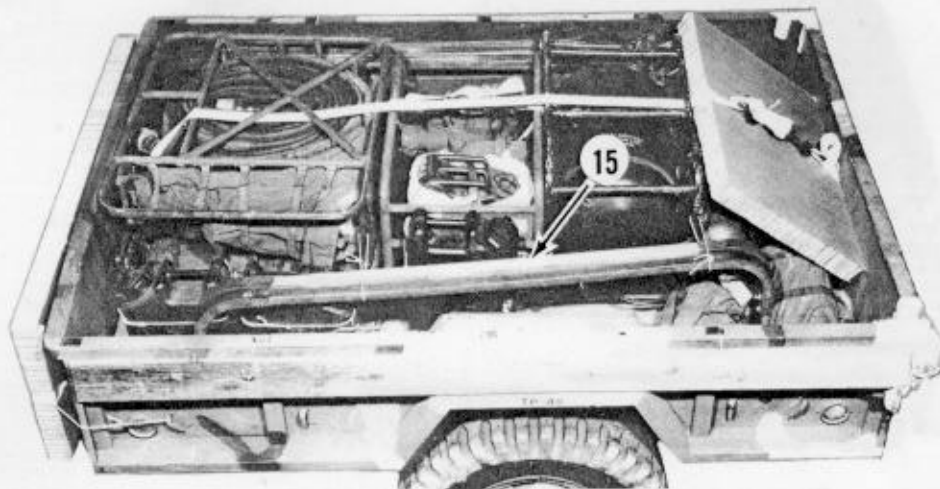
- ⑨ Cover the fire extinguishers with a 24- by 36-inch piece of honeycomb.
- ⑩ Pass the tiedown strap (step 2) through the discharge hose racks, over the pump/engine assembly, and through the filter/separator frame. Fasten the ends of the strap together on top of the honeycomb with two D-rings and a load binder.

Figure 2-5. FARE stowed (steps 9 and 10).



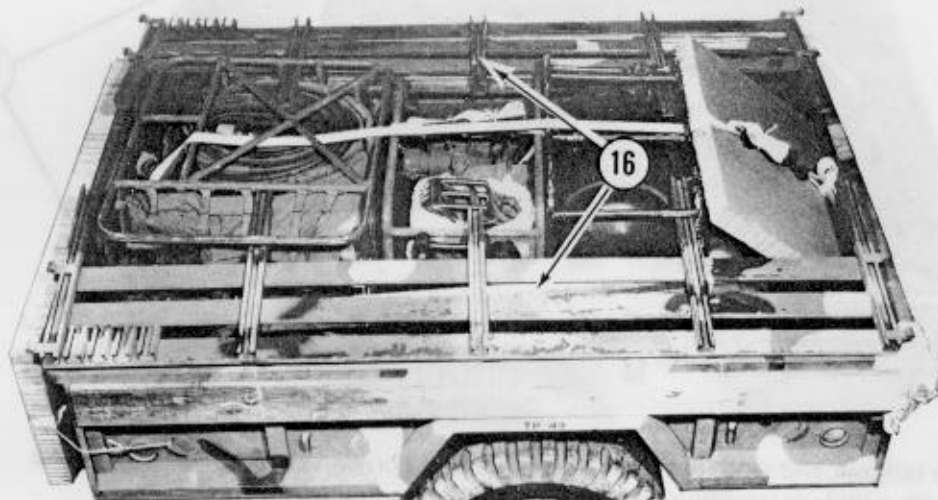
- (11) Close the tailgate and tie the latches with type III nylon cord. Cover the chains and latches with cellulose wadding, and tape the wadding in place.
- (12) Tie two 5-gallon fuel cans to the discharge hose racks and one fuel can to the pump/engine assembly using type III nylon cord.
- (13) Pad the edges of a 24- by 60-inch piece of honeycomb and tie it on the drawbar using type III nylon cord. Tie the cord to the side paulin hooks.
- (14) Tie a 2- by 6- by 94-inch piece of lumber on each side of the trailer with type III nylon cord.

Figure 2-6. FARE stowed (steps 11 through 14).



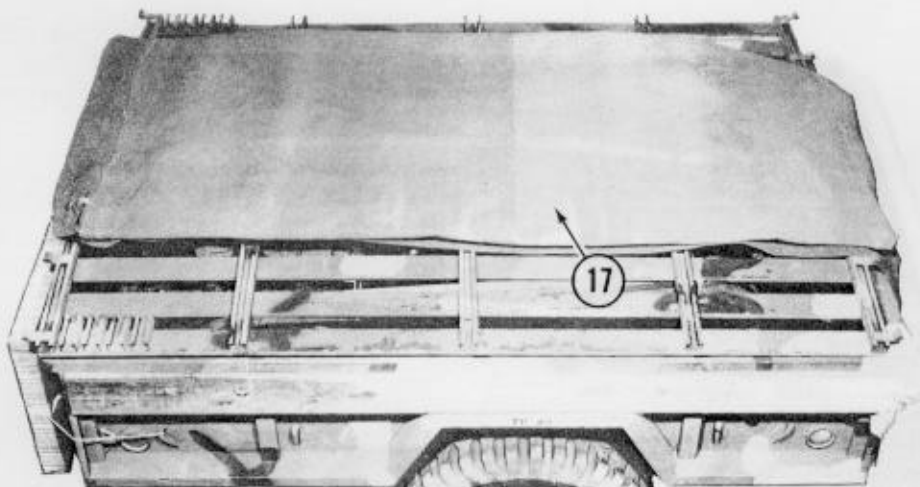
- (15) Set the bows in the trailer and tie them in place with type III nylon cord.

Figure 2-7. FARE stowed (step 15).



- ①⑥ Place the side and front racks in the trailer. Slide the metal braces of the side racks under convenient parts of the frames of the FARE.

Figure 2-8. FARE stowed (step 16).



- ①⑦ Fold the paulin and center it on the load.

Figure 2-9. FARE stowed (step 17).

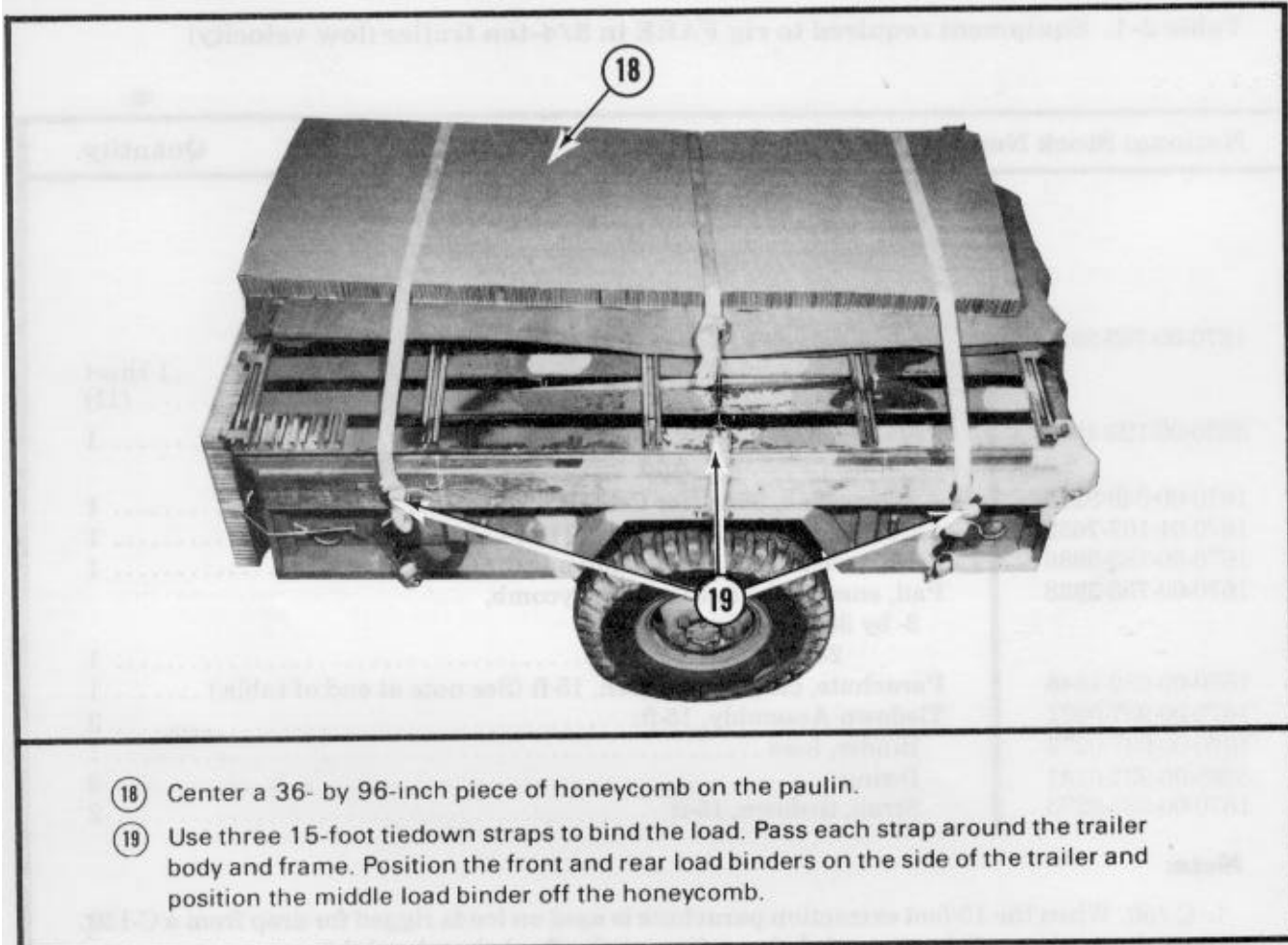


Figure 2-10. FARE stowed (steps 18 and 19).

Table 2-1. Equipment required to rig FARE in 3/4-ton trailer (low velocity)

National Stock Number	Item	Quantity
	Delete	
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in: 1 sheet 12- by 36-in (11)	
5530-00-123-4981	Plywood, 3/4- by 3 by 14-in 1 Add	
1670-00-040-8215	Adapter Web, 36-in (for C-141B aircraft) 1	
1670-01-107-7652	Line, extraction, 160-ft (1-loop) (for C-141B aircraft) 1	
1670-00-783-5988	Link Assembly, type IV (Add one for C-141 aircraft.) 1	
1670-00-753-3928	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-in: 24- by 36-in 1	
1670-00-052-1548	Parachute, cargo extraction, 15-ft (See note at end of table.) 1	
1670-00-937-0271	Tiedown Assembly, 15-ft: 3	
1670-00-937-0272	Binder, load 1	
5365-00-937-0147	D-ring 3	
1670-00-937-0273	Strap, tiedown, 15-ft 2	
Note:		
1. <i>C-130</i> . When the 15-foot extraction parachute is used on loads rigged for drop from a C-130 aircraft, it may be reefed or unreefed, depending on the final rigged weight.		
2. <i>C-141B</i> . When the 15-foot extraction parachute is used on loads rigged for drop from a C-141B aircraft, it may be reefed or unreefed, depending on the final rigged weight. In addition, the parachute needs a 36-inch adapter web and a continuous 160-foot (1-loop) type XXVI nylon webbing extraction line. <i>Shorter lines will not be used to form the 160-foot line.</i>		

Table 2-2. Equipment required to rig FARE in 3/4-ton trailer (LAPE)

National Stock Number	Item	Quantity
	Delete	
5530-00-128-4981	Plywood, 3/4- by 15 1/2- by 37-in	2
1670-00-937-0271	Tiedown Assembly, 15-ft:	9
1670-00-937-0272	Binder, load, 10,000-lb	(6)
5365-00-937-0147	D-ring, heavy-duty	(12)
1670-00-937-0273	Strap, 15-ft, Dacron	(12)
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	
	15 1/2 - by 37-in	(2)
	36- by 93-in	(2)
	Add	
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	
	24- by 36-in	(1)
	36- by 96-in	(2)